

SEQUENCE LISTING

<110> BATHE, BRIGITTE
MOCKEL, BETTINA
PFEFFERLE, WALTER
HUTHMACHER, KLAUS
RUCKERT, CHRISTIAN
KALINOWSKI, JORN
PUHLER, ALFRED
BINDER, MICHAEL
GREISSINGER, DIETER
THIERBACH, GEORG



<120> NUCLEOTIDE SEQUENCES WHICH CODE FOR THE METH GENE

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<140> 09/919,891

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<151> 2001-05-31

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Cys Cys Gly Thr Thr Pro Glu His Ile Arg Ala Val Arg Asp Ala Val
 305 310 315 320

Val Gly Val Pro Glu Gln Glu Thr Ser Thr Leu Thr Lys Ile Pro Ala
 325 330 335

Gly Pro Val Glu Gln Ala Ser Arg Glu Val Glu Lys Glu Asp Ser Val
 340 345 350

Ala Ser Leu Tyr Thr Ser Val Pro Leu Ser Gln Glu Thr Gly Ile Ser
 355 360 365

Met Ile Gly Glu Arg Thr Asn Ser Asn Gly Ser Lys Ala Phe Arg Glu
370 375 380

Ser Phe Gly Leu Asn Pro Ala Ala Arg Gln Val Leu Asn Ser Val Phe
 580 585 590

Leu Asn Glu Cys Ile Glu Ala Gly Leu Asp Ser Ala Ile Ala His Ser
 595 600 605

Ser Lys Ile Leu Pro Met Asn Arg Ile Asp Asp Arg Gln Arg Glu Val
 610 615 620

Ala Leu Asp Met Val Tyr Asp Arg Arg Thr Glu Asp Tyr Asp Pro Leu
 625 630 635 640

Gln Glu Phe Met Gln Leu Phe Glu Gly Val Ser Ala Ala Asp Ala Lys
 645 650 655

Asp Ala Arg Ala Glu Gln Leu Ala Ala Met Pro Leu Phe Glu Arg Leu
 660 665 670

Ala Gln Arg Ile Ile Asp Gly Asp Lys Asn Gly Leu Glu Asp Asp Leu
 675 680 685

Glu Ala Gly Met Lys Glu Lys Ser Pro Ile Ala Ile Ile Asn Glu Asp
 690 695 700

Leu Leu Asn Gly Met Lys Thr Val Gly Glu Leu Phe Gly Ser Gly Gln
 705 710 715 720

Met Gln Leu Pro Phe Val Leu Gln Ser Ala Glu Thr Met Lys Thr Ala
 725 730 735

Val Ala Tyr Leu Glu Pro Phe Met Glu Glu Glu Ala Glu Ala Thr Gly
 740 745 750

Ser Ala Gln Ala Glu Gly Lys Gly Lys Ile Val Val Ala Thr Val Lys
 755 760 765

Gly Asp Val His Asp Ile Gly Lys Asn Leu Val Asp Ile Ile Leu Ser
 770 775 780

Asn	Asn	Gly	Tyr	Asp	Val	Val	Asn	Leu	Gly	Ile	Lys	Gln	Pro	Leu	Ser	785	790	795	800
Ala	Met	Leu	Glu	Ala	Ala	Glu	Glu	His	Lys	Ala	Asp	Val	Ile	Gly	Met	805	810	815	
Ser	Gly	Leu	Leu	Val	Lys	Ser	Thr	Val	Val	Met	Lys	Glu	Asn	Leu	Glu	820	825	830	
Glu	Met	Asn	Asn	Ala	Gly	Ala	Ser	Asn	Tyr	Pro	Val	Ile	Leu	Gly	Gly	835	840	845	
Ala	Ala	Leu	Thr	Arg	Thr	Tyr	Val	Glu	Asn	Asp	Leu	Asn	Glu	Val	Tyr	850	855	860	
Thr	Gly	Glu	Val	Tyr	Tyr	Ala	Arg	Asp	Ala	Phe	Glu	Gly	Leu	Arg	Leu	865	870	875	880
Met	Asp	Glu	Val	Met	Ala	Glu	Lys	Arg	Gly	Glu	Gly	Leu	Asp	Pro	Asn	885	890	895	
Ser	Pro	Glu	Ala	Ile	Glu	Gln	Ala	Lys	Lys	Lys	Ala	Glu	Arg	Lys	Ala	900	905	910	
Arg	Asn	Glu	Arg	Ser	Arg	Lys	Ile	Ala	Ala	Glu	Arg	Lys	Ala	Asn	Ala	915	920	925	
Ala	Pro	Val	Ile	Val	Pro	Glu	Arg	Ser	Asp	Val	Ser	Thr	Asp	Thr	Pro	930	935	940	
Thr	Ala	Ala	Pro	Pro	Phe	Trp	Gly	Thr	Arg	Ile	Val	Lys	Gly	Leu	Pro	945	950	955	960
Leu	Ala	Glu	Phe	Leu	Gly	Asn	Leu	Asp	Glu	Arg	Ala	Leu	Phe	Met	Gly	965	970	975	
Gln	Trp	Gly	Leu	Lys	Ser	Thr	Arg	Gly	Asn	Glu	Gly	Pro	Ser	Tyr	Glu	980	985	990	

Asp Leu Val Glu Thr Glu Gly Arg Pro Arg Leu Arg Tyr Trp Leu Asp
 995 1000 1005

Arg Leu Lys Ser Glu Gly Ile Leu Asp His Val Ala Leu Val Tyr
 1010 1015 1020

Gly Tyr Phe Pro Ala Val Ala Glu Gly Asp Asp Val Val Ile Leu
 1025 1030 1035

Glu Ser Pro Asp Pro His Ala Ala Glu Arg Met Arg Phe Ser Phe
 1040 1045 1050

Pro Arg Gln Gln Arg Gly Arg Phe Leu Cys Ile Ala Asp Phe Ile
 1055 1060 1065

Arg Pro Arg Glu Gln Ala Val Lys Asp Gly Gln Val Asp Val Met
 1070 1075 1080

Pro Phe Gln Leu Val Thr Met Gly Asn Pro Ile Ala Asp Phe Ala
 1085 1090 1095

Asn Glu Leu Phe Ala Ala Asn Glu Tyr Arg Glu Tyr Leu Glu Val
 1100 1105 1110

His Gly Ile Gly Val Gln Leu Thr Glu Ala Leu Ala Glu Tyr Trp
 1115 1120 1125

His Ser Arg Val Arg Ser Glu Leu Lys Leu Asn Asp Gly Gly Ser
 1130 1135 1140

Val Ala Asp Phe Asp Pro Glu Asp Lys Thr Lys Phe Phe Asp Leu
 1145 1150 1155

Asp Tyr Arg Gly Ala Arg Phe Ser Phe Gly Tyr Gly Ser Cys Pro
 1160 1165 1170

Asp Leu Glu Asp Arg Ala Lys Leu Val Glu Leu Leu Glu Pro Gly
 1175 1180 1185

Arg Ile Gly Val Glu Leu Ser Glu Glu Leu Gln Leu His Pro Glu
1190 1195 1200

Gln Ser Thr Asp Ala Phe Val Leu Tyr His Pro Glu Ala Lys Tyr
1205 1210 1215

Phe Asn Val
1220

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32